



भारत का राजपत्र

The Gazette of India

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No. 30] NEW DELHI, SATURDAY, JULY 26, 1986 (SRAVANA 4, 1908)

इस भाग में अलग पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड २

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 26th July 1986

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CORRIGENDA

(1)

In the Gazette of India Part III Section-2 dated 15-2-1986 under the heading 'Complete Specifications Accepted'.

- (1) In page 104 column 2 in respect of Patent Specification No. 157243(316/Del/80), in lines 17 to 15 from bottom, for "A process for the synthesis of 9H-Pyrido (3-4-b) indole-3-Carboxamides of Formula II", read "A process for the synthesis of 9H-Pyrido (3-4-b)-indole-3-carboxamides".
- (2) In page 105 column 1, in lines 2 to 3, for "A process for the synthesis of 9H-pyrido (3-4-b) indole of formula II", read "A process for the synthesis of 9H-pyrido (3-4-b) indole-3-carboxamides of formula II".

(2)

1. In the Gazette of India, Part III, Section 2, dated 26-4-1986 under the heading "Complete Specification accepted" on page 295, Column 1.
 - (i) In respect of Patent Application No. 134/BOM/1983 for Patent No. of Acceptance read "157579".
2. In the Gazette of India, Part III, Section 2, dated 3-5-1986 under the heading "Applications for Patents filed in the Patent Office Branch at Todi Estates, IIIrd Floor, Sun Mill Compound, Lower Parel (West), Bombay-13" on page 304.
 - (i) in respect of Patent Application No. 84/BOM/1986 in the title of the invention for "IMPROVES" read "IMPROVED".
 - (ii) in respect of Patent Application No. 86/BOM/1986 in the name of the applicant for "DHO-BHADE" read "DABHADE".
 - (iii) In respect of Patent Application No. 91/BOM/1986 in the title of the invention for "BATTERIES" read "BATTERIES".
3. In the Gazette of India, Part III, Section 2, dated 3-5-1986 under the heading "Complete Specification Accepted" on page 317, Column 1.
 - (i) in respect of Patent Application No. 29/BOM/1984 for the name of applicant read "KALYANI CONSULTANTS PRIVATE LIMITED".

AN UPTO DATE LIST OF PERSONS WHO HAVE BEEN REGISTERED AS PATENT AGENTS AS ON 31ST MARCH, 1986 UNDER SECTION 126 OF THE PATENTS ACT, 1970

01. Shri Rovert Gelson De-Penning, Messrs. De-Penning & De-Penning, 31, Wallajah Road, Madras-600 062 and Messrs. Cantwell & Co., 28, Ezra Mansions, Calcutta-700 069.
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03. Shri Amar Raj Lall, Messrs. Remfry & Son, 'Kanchenjunga', 18, Barakhamba Road, New Delhi-110 001.
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08. Shri M. S. Daswani, Messrs. L. S. Davar & Co., Flats Nos. 1B & 1C, 17, Camac Street, Mona Lisa, Calcutta-700 017.
09. Shri Desh Pal Ahuja, Messrs. D. P. Ahuja & Co., 8, Camac Street, Suite No. 10, Floor 9, Calcutta-700 017.
10. Shri P. B. Pai, Messrs. P. S. Pai & Co., Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay-400 001.
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12. Shri V. G. Nair, Alaknanda, 4th Floor, 16, Napean Sea Road, Bombay-400 036.
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25. Shri Shamsuddin Ahmad, 36, Taltolla Lane, Calcutta-700 016.
26. Shri R. C. Mishra, Messrs. International Trade Marks Bureau, Maneeji Wadia Building, 1st Floor, Above Chicago Radio, 127, Mahatma Gandhi Road, Bombay-400 023.
27. Shri V. C. Singh, 7/111, Gita Sion (West), Bombay-400 022.
28. Shri Himanshu Wasudeo Kane, Servants of India Society's Building, Sardar Vallabhbhai Patel Road, Bombay-400 004.
29. Shri K. T. Jose, Messrs. DePenning & DePenning, 31, Wallajah Road, Madras-600 002.
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33. Shri S. S. Ponkshe, Messrs. Bhate & Ponkshe, 1423 (New), Shukrawar Peth, Pune-411 002.
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36. Shri Tehemtan Nasserwanji Daruwalla, Messrs. Jehangir Gulabhbhai & Bilimoria & Daruwalla, Raja Bahadur Mansion, 20, Ambatal Doshi Marg, Bombay-400 023.
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45. Shri Sharatchandra Charanjitlal Malihotra, Messrs. Inter-continental Trade Marks Bureau, Chie Niwas, 3rd Floor, 73/75, Sutar Chawl, Zaveri Bazar, Bombay-400 002.
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47. Shri Satya Prakash Sharma, Calcutta Trade Mark Company, 236, Chandni Chowk, (Fatehpuri) Above Baluja Boot House Post Box No. 1237, Delhi-110006.
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50. Shri Ram Niranjan Jhunjhunwala, 8/2, Mandeville Garden, Calcutta-700 019.
51. Shri Mayoos Jamnadas Dawda, Messrs. Remfry & Son, Gresham Assurance House, 3rd Floor, 1, Sir Phirozsha Mehta Road, Bombay-400001.
52. Shri Rama Vasudeva Pai, Sant Nirankari Satsang Bhavan, 1-D, Nazar Ali Lane, Calcutta-700019.
53. Shri Samarendra Nath Chakraborty, Flat No. 5A, "MAYUKH", 68/3, Pratapaditya Road, Calcutta-700026.
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55. Shri Ajit Mohan Saha, Trade Mark Registration Bureau, 1, Netaji Subash Road, Calcutta-700001.
56. Shri Brajendra Lal Banerjee, 8B, Sebak Baidya Street, Calcutta-700029..
57. Shri Debasish Sen, Messrs. D. P. Ahuja & Co., 8, Camac Street, Suite No. 10, Floor 9, Calcutta-700017.
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60. Shri A. Gabriel, Messrs. Lall Lahiri & Salhotra, N-128, Panchsheel Park, New Delhi-110017.
61. Shri B. P. Alwares, Messrs. Remfry & Son, 'Kanchenjunga', 18, Barakhamba Road, New Delhi-110001.
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63. Shri Kul Bhusan Marwaha, 6/322, Raja Park, Jaipur-302004.
64. Shri Venkatarao Gopalakrishna, Messrs. King & Partridge, Advocates, 26/1, Lavelle Road, Bangalore-560001.
65. Shri Samarendra Nath Mukherjee, 1/14, East Mall, Dum Dum, Calcutta.
66. Shri D. P. M. Mehta, Messrs. Little & Co., Advocates, Central Bank Building, Fort, Bombay-400023.
67. Shri R. Ramachandran, No. 2, Lakshmiwam IIInd Street, Royapettah, Madras-600 014.
68. Shri A. K. Goel, Messrs. Asoka Trade Marks Co. 14, Amar Chambers, Nahar House, 14F, Connaught Place, New Delhi-1.
69. Miss Kiran Kumar, 2/135, Khosla Niwas, Telang Cross Road, Matunga, Bombay-400019.
70. Shri B. S. Shah, Messrs. Crawford Bayley & Co., State Bank Buildings, Bank Street, Bombay-400023.
71. Shri C. M. Maniar, Messrs. Crawford Bayley & Co., State Bank Buildings, Bank Street, Bombay-400023.
72. Shri H. Subramaniam, Messrs. Remfry & Son, 'Kanchenjunga', 18, Barakhamba Road, New Delhi-110001.
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74. Shri A. K. P. Japee, 2, School Road, Perambur, Madras-600011.
75. Shri R. N. Kapoor 1700 Apsara, Arya Samaj Road, Karol Bagh, New Delhi.
76. Shri Jyoti Sagar, Messrs. Sagar & Company, "Kanchenjunga", 18, Barakhamba Road, New Delhi-110001.
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95. Shri V. N. Rao, 77, Madhugiri Appartments, 408, Sion Trombay Road, Chembur, Bombay-400071.
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98. Miss K. B. Bharucha, Messrs. Jehangir Gulabbhai & Bilmoria & Daruwalla, Rajabahadur Mansion, 20, Ambala Doshi Marg, (Hamam Street), Fort, Bombay-400023.
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100. Shri Pratap Singh, House No. A-33/3, R.D.S.O. Colony, Nanak Nagar, Lucknow (U.P.).
101. Shri Babul Mukherjee, Messrs. Remfry & Son, "Kanchenjunga", 18, Barakhamba Road, New Delhi-110001.
102. Smt. Seema Bhagat, Messrs. Remfry & Son, "Kanchenjunga", 18, Barakhamba Road, New Delhi-110001.
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104. Shri A. N. Roy, Messrs. Saba Gtosh & Co., RCTC Building, 11, Russel Street, Calcutta-700 0071.
105. Shri S. Mishra, E11, Nirlon Colony, Goregaon (E), Bombay-400 063.
106. Shri S. Ramachandran, 17/105A, Vikram Vibar, Lajpatnagar-IV, New Delhi-110024.
- (2) Nauchno-Issledovatel'sky Institut Po Udobreniyam i Insektofungitsidam Imeni Professora Ya. V. Samoilova Nauchno-Pro-izvodstvennogo Obicidinenia "Minudobreniya". Process for preparing calcium Polyphosphate.
- 459/Cal/86. (1) Viktor Grigorievich Soloview;
 (2) Alexei Ivanovich Vaseiko;
 (3) Vitaly Egorovich Fedotov;
 (4) Vladimir Mikhailovich Kurganov;
 (5) Nikolai Ivanovich Terekhov;
 (6) Gennady Nikolaevich Chernovisov;
 (7) Nikolai Vasilievich Ryzhkov.
 Reactor for hydrogenation of petroleum distillates in fixed bed catalyst.
- 460/Cal/86. Bar Ilan University. Novel synergistic cosmetic antioxidant composition.
- 461/Cal/86. Heinz Krug. Circuit arrangement for testing integrated circuit components.
- 462/Cal/86. Metallurgical & Engineering Consultants (India) Limited. Method and plant for cleaning deposits from the gas side of vertical type primary gas cooler for coke oven gas.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, II RD FLOOR, KAROL BAGH, NEW DELHI-110005

The 2nd June, 1986

- 481/Del/86. Acumerter Laboratories, Inc., "Fluid coating and web handling method and apparatus particularly adapted for non woven and other low web tension tolerant materials and/or irregular surface thickness webs and the like".
- 482/Del/86. Ashok Kumar Gupta. "Fridge cum-hotcase".
- 483/Del/86. The B. F. Goodrich Company. "Pneumatic tire".
- 484/Del/86. Colgate Palmolive Company, "Antistatic compositions and detergent compositions containing anti-static components".
- 485/Del/86. Karen Marie Willumsen and Per Willumsen. Vegetation nutritive and growth substance, especially suited for thin bales".

The 3rd June, 1986

- 486/Del/86. Council of Scientific and Industrial Research. Improvements in or relating to the process for manufacture of synthetic high-alumina aggregates".
- 487/Del/86. Imperial Chemical Industries PLC. "Energy recovery". (Convention date 4th June, 1985 & 18th June, 1985) (U.K.).
- 488/Del/86. Mechanikai Muvek, "Capacitor unit".
- 489/Del/86. Sanden Corporation, "Cylinder head for refrigerating compressor".
- 490/Del/86. Shell Internationale Research Maatschappij B.V. "Process for the preparation of a silver containing catalyst".
- 491/Del/86. Imperial Chemical Industries PLC. "Catalyst support". (Convention date 6th June, 1985) (U.K.).
- 492/Del/86. Piaggio & C.S.p.A., "Braking device for two wheelers".
- 493/Del/86. UOP Inc., "Hydrocarbon dehydrogenation process with oxidative reheat".

The 4th June, 1986

- 494/Del/86. Uniroyal Chemical Co. Inc., "Process for the production of 2, 2, 6-tetraalkyl-4-piperidyl-amines".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 20th June, 1986

456/Cal/86. Arup Ghosh. Spring Generator.

457/Cal/86. Phillips Petroleum Company. Process and apparatus for producing carbon black.

458/Cal/86. (1) Institut Khimicheskikh Nauk Akademii Nauk Kazakhskoi SSR;

- 495/Del/86. Uniroyal Chemical Co. Inc., "Process for making N-monosubstituted P-phenylenediamines".
 496/Del/86. Valeo, "Centrifugal advance regulator for the ignition distributor of an internal combustion engine".

- 497/Del/86, Amoco Corporation. "Pressure release vent".
 498/Del/86. Council of Scientific and Industrial Research. "A method for the preparation of high-pure synthetic iron (III) oxide for ferrites".

The 5th June, 1986

- 449/Del/86. Man Mohan Lal Gupta, "Method of printing and writing cheques, Demand drafts and other negotiable instruments by ticking, punching/punching, computerisation of clearing and accounting work and of allocating code nos".
 500/Del/86. BP Chemicals Limited, "Polymer compositions". (Convention date 6th June, 1985) (U.K.).
 501/Del/86. Alan Nicholas Jacobsen, "Improved method and apparatus for spinning yarn". (Convention date 7th June, 1985) (Australia).
 502/Del/86. Linemann-Halfio Limited, "Device for inducing flow of granular or like material". (Convention date 6th June, 1985) (U.K.).
 503/Del/86. UOP INC., "Hydrocarbon conversion catalyst containing a bifurcated alkali component".

The 6th June, 1986

- 504/Del/86. Prabhat Kumar, "Improved air pollution control system".
 505/Del/86. Vercinigte Edelstahlwerke Aktiengesellschaft (VEW), "A method and device for producing ingots".
 506/Del/86. PPG Industries, Inc., "Glass melting process".
The 7th June, 1986
 507/Del/86. German Borodulin & Others, "Expandable urethral bougies".
 508/Del/86. Han-Mi Pharma Ind. Co. Ltd., "Process for preparing cephem derivatives".
 509/Del/86. Ernest Avgustinovich Druzhinin and others, "Apparatus for electrostatically applying thin film coatings".
 510/Del/86. Videocolor, "An apparatus for checking the evaporation of the pellet of getter material on the walls of the envelope of a cathode ray tube".

The 11th June, 1986

- 511/Del/86. Alfred Wong and another, "Process for preparation of potassium salts from pulping of lignocellulosic materials".
 512/Del/86. Lucien Chastan-Bagnis & Alain Chastan-Bagnis, "Apparatus to depollute bodies of water".
 513/Del/86. De La Rue Giori S.A., "Method and arrangement for attaching printing plates to a plate cylinder".

The 12th June, 1986

- 614/Del/86. Council of Scientific and Industrial Research, "A device for automatic uninterrupted single phase power supply from a three phase power supply sources".
 515/Del/86. Council of Scientific and Industrial Research, "Multi strain gauge bore water pressure cell".
 516/Del/86. Council of Scientific and Industrial Research, "A process for desulphurization of high sulphur coal".
 517/Del/86. Council of Scientific and Industrial Research, "A process for desulphurization of high sulfur coal".

- 518/Del/86. The Standard Oil Company, "Tandem photovoltaic devices".
 519/Del/86. NRM Corporation, "Tire building machine and method".
 520/Del/86. Imperial Chemical Industries PLC, "Coating compositions". (Convention date 19th June, 1985) (U.K.).
 521/Del/86. Contempo Products, P. Herrli, "Method and device for shutting off and severing a tube particularly a tube used in dialysis or intravenous injection".
 522/Del/86. Francoise Douez, "Single garment destined particularly for children having means to enable the use of such without having to slip into said garment".

The 13th June, 1986

- 523/Del/86. Harkishan Singh & Others, "Process for the production of 17a-methyl-38-pyrrolidi-No-17a-Azad-homoandrost-5-ene dimethobromide/dimethochloride (Chandonium Bromide/chloride)".
 524/Del/86. Vapor Corporation, "Peltier Thermoelectric element mounting".
 525/Del/86. Gian Parkash Bhambri, "A rice husk furnace".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 12th May, 1986

- 142/Bom/86. Dara Jehangirji Frenchman, Spray Pump.
 143/Bom/86. Deccan Sugar Institute, Improved harvesting knife for harvesting sugar cane.
 144/Bom/86. A. V. Mehendale, A.M. Shanbhag & S. R. Avate, Mechanism for increasing power and torque output of reciprocating piston type engines and the like machines.

The 14th May, 1986

- 145/Bom/86. Jagdish Chandra Parekh, An improved process for manufacturing different types of paper and/or board of the type herein described on a standard duly modified paper board making machine with or without reprocessing.
 146/Bom/86. Sree Krishn Choithram Matlani, An insect trap.

The 15th May, 1986

- 147/Bom/86. Indian Petrochemicals Corporation Limited, Catalysts for the conversion of nitriles to amides.
 148/Bom/86. Hoechst India Limited, Novel 10-Hydroxy derivatives of 3-aryl-7-chloro-3, 4-dihydro-10-hydroxy-1, 9(2H, 10H)-acridinedione as chemotherapeutic agents.
 149/Bom/86. Hoechst India Limited, Novel 3-aryl-7-chloro-3, 4-dihydro-1-substituted-(2H)-acridone-N-oxides as chemotherapeutic agents.

The 19th May, 1986

- 150/Bom/86. Tushar Girishchandra Desai, Multipurpose flour mill.
The 21st May, 1986
 151/Bom/86. Joshi Nandakumar Ramachandra, Modified shielded guard for electronic interconnections (with EMI Shielding).

The 22nd May, 1986

- 152/Bom/86. Hoechst India Limited. A process for the production of a novel antibiotic fumi-fungin from culture No. Hoechst India Ltd., Y-83, 0405, its mutants and variants.

The 26th May, 1986

- 153/Bom/86. Atic Industries Ltd. Improved Incinerator.

- 154/Bom/86. Indian Petrochemicals Corporation Limited. Preparation of improved active copper catalysts and method for conversion of nitriles to amides employing said catalysts.

- 155/Bom/86. Indian Petrochemicals Corporation Limited. Catalytic conversion of nitriles to amides.

The 28th May, 1986

- 156/Bom/86. Mrs. Lata Vasant Paradkar. A process for preservation of sprouted foodgrains including pulses of all kinds without loss of any vitamins and without using any harmful preservatives.

The 29th May, 1986

- 157/Bom/86. Vacuum Plant and Instruments Mfg. Co. Pvt. Ltd. Single frame filter press with a flow in direction normal to the plate.

- 158/Bom/86. Chester D'Mello. Industrial Furnishing and washing apparatus.

The 30th May, 1986

- 159/Bom/86. Joshi Nandakumar Ramachandra. Shielded cable with drain wire welded to the conducting foil shield.

- 160/Bom/86. Hoechst India Limited. A process for the isolation of a new strain of *Streptomyces* species culture No. HIL Y-84, 30967, its variants and mutants and the production of a novel macrolide antibiotic called Swalpamycin therefrom.

- 161/Bom/86. Yogendra Murarji Vaidya. A sealant for puncture (s) in vehicle tubes and tires.

The 2nd June, 1986

- 162/Bom/86. Vijay Kumar Gopal Harne. Erichsen Cupping testing machine for metallic sheet.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH 61, WALLAJAH ROAD,
MADRAS-600 002**

The 2nd June, 1986

- 430/Mas/86. Owens-Illinois, Inc. Lined child-resistant closure for widemouth liquid containers.

- 431/Mas/86. Mitsubishi Denki Kabushiki Kaisha. Shock Absorbers.

The 3rd June, 1986

- 432/Mas/86. Board of Trustees of University of Illinois. Methods and apparatus for monitoring cardiovascular regulation using heart rate power spectral analysis.

- 433/Mas/86. Varmatex S.P.A. Guide means for waft-carrying grippers and gripper straps of looms.

The 4th June, 1986

- 434/Mas/86. Cooper Industries, Inc. Apparatus for handling rolls of flat cable.

- 435/Mas/86. F. S. Smidt & Co. Gas Monitoring equipment. (July 11, 1985; United Kingdom).

The 5th June, 1986

- 436/Mas/86. Kumarayel Thangaraj. A computerised ticketing machine.

- 437/Mas/86. Nippon Kokan Kabushiki Kaisha. Method for continuously manufacturing fired pellets.

The 6th June, 1986

- 438/Mas/86. Forsac Valves Limited. Valve Assembly for pipelines. (June 7, 1985; United Kingdom).

- 439/Mas/86. F. L. Smidt & Co. Separator for sorting particulate material. (July 23, 1985; Great Britain).

- 440/Mas/86. Enichem Elastomeri S.p.A. Reactor for polymerization in concentrated systems.

- 441/Mas/86. Caterpillar Inc. Air-fuel ratio control system having a fluid-powered broken link mechanism. (January 23, 1986; Canada).

- 442/Mas/86. The Dow Chemical Company. A method of making a low hydrogen over-voltage cathode. (Divisional to Patent Application No. 393/MAS/84.)

The 9th June, 1986

- 443/Mas/86. National Remote Sensing Agency. Film Drier.

- 444/Mas/86. National Remote Sensing Agency. A three coordinate viewer.

- 445/Mas/86. National Remote Sensing Agency. An optical reflecting projector.

The 11th June, 1986

- 446/Mas/86. Dr. K. Gopichand. Manner of manufacture of voltage stabiliser.

- 447/Mas/86. Shimizu Kensetsu Kabushiki Kaisha. A concrete durability-upgrading process and the forms used therein.

- 448/Mas/86. F. L. Smidt & Co. Gas suspension reactor. (July 9, 1985; United Kingdom).

- 449/Mas/86. Kamsas State University Research Foundation. Ascorbate 2-polyphosphate esters and method of making same.

- 450/Mas/86. Charbonnages De France (Establishment public). Device for controlling the supply of fluidizing gas to the blowing orifices of a fluidizing grating and a grating equipped with this device.

- 451/Mas/86. Sociedad Esponjala Del Acumulador Tudor. Electric Accumulator Battery.

- 452/Mas/86. John M. Palmer. Assembly of Inflatables for aquatic vessels.

The 12th June, 1986

- 453/Mas/86. Snamprogetti S.p.A. & NIIMSK-Nauchno-Issledovatel'skii Institut Monomerov Dlia Sinteticheskogo Kauchuka. Method for the dehydrogenation of C_n-C_n paraffins.

- 454/Mas/86. Stamicarbon B. V. Process for the preparation of a polyamide.

- 455/Mas/86. Mitsubishi Denki Kabushiki Kaisha. Porcelain Clad Gas Circuit Interrupter.

- 456/Mas/86. Rhone-Poulenc Fibres. Masterbatches for delustering polyamides and their preparation.

- 457/Mas/86. Mitsubishi Denki Kabushiki Kaisha. Spring operating mechanism for a circuit interrupter.

The 13th June, 1986

458/Mas/86. Metal Box Public Limited Company. Heat treating thermoplastics sheet materials for thermo-forming. (June 21, 1985; Great Britain).

459/Mas/86. F. L. Smidh & Co. Probe for extracting a gas sample flow from a hot dusty gas flow. (August 13, 1986; Britain).

460/Mas/86. Michelin & CIE (Compagnie Generale des Establishments Michelin). Circuit for the coding of the value of two variables measured in a tire, and device for monitoring tires employing such a circuit.

461/Mas/86. Michelin & CIE (Compagnie Generale des Establishments Michelin). Feeding of electrical energy to circuits on a wheel for a tire-monitoring device.

462/Mas/86. McPherson's Limited. Knife Sharpener. (June 14, 1985; Australia).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 195-D. 157921

Int. Cl. F 16 k 13/00, 51/00.

AN IMPROVED ISOLATION VALVE FOR ISOLATING THE INTERIOR OF A CHAMBER.

Applicant : ENERGY CONVERSION DEVICES, INC., AT 1675 WEST MAPLE ROAD, TROY, MICHIGAN, UNITED STATES OF AMERICA.

Inventors : 1. DAVID GATTUSO 2. MASATSUGU IZU.

Application No. 232/Cal/82 filed March 1, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

10 Claims

An improved isolation valve for isolating the interior of a chamber provided with inlet and outlet apertures for the passage of substrate material through such chamber, which comprises :

- (a) a valve body having an opening therein; and
- (b) means for maintaining inert gas at a predetermined pressure within said opening to form a curtain of inert gas at said opening sufficient to prevent entrance to or exit from said chamber of said substrate material.

Compl. Specn. 28 pages. Drgs. 5 sheets.

CLASS : 9-F & 12-D.

157922

Int. Cl. C 21 d 5/00.

METHOD PRODUCING WEAR-RESISTANT COMPOSITES.

Applicant : INSTITUT SVERKHTVERDYKH MATERIALOV AKADEMII NAUK UKRAINSKOI SSR, OF KIEV, AVTOZAVODSKAYA 2, USSR.

Inventors : 1. NIKOLAI VASILIEVICH NOVIKOV,
2. DOLORES KHAIMOVNA BRONSHTEIN,
3. AVRAAM LVOVICH KRASNY,
4. IVAN FEDOROVICH VOVCHANOVSKY,
5. EDUARD SEMENOVICH SIMKIN,
6. SVETLANA IOSIFOVNA SKLYAR,
7. NEKHEMIAN VENIAMINOVICH TSYPIN.

Application No. 708/Cal/82 filed June 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

5 Claims

A method for producing a wear-resistant composite such as herein defined which comprises the steps of placing a composite mixture in a graphite die and subsequently heating said die so as to heat said composite mixture contained therein to a temperature which is 1.01 to 1.15 of the temperature at which composite liquidifies and liquid phase appears (at a temperature of from 1547 to 1729 K) holding at said temperature for 1 to 2 minutes and cooling the same to a temperature which is 0.98 to 1.12 of the temperature at which a liquid phase appears, and wherein the heating, holding, and cooling to said temperature are effected at a pressure of 1.95 to 8.8 MPa and the cooling beginning from the temperature which constitute 0.98 to 1.12 of the temperature at which phase appears is effected at a pressure such as herein defined which exceeds the pressure at which the heating, holding and cooling to said temperature are effected.

Compl. Specn. 18 Drg. nil.

CLASS : 47-C.

157923

Int. Cl. C 10 b 39/02, 39/12.

DEVICE FOR DEDUSTING A COOLING GAS USED FOR THE DRY-COOLING OF COKE.

Applicants : KRUPP-KOPPERS GMBH, MOLTKESTRASSE 29 D-4300 ESSEN 1, WEST GERMANY AND WAAGNER-BIRO AKTIENGESELLSCHAFT, STADT AUER STR. 54, A-1221 WIEN, AUSTRIA.

Inventors : 1. DR. KARL SCHMID 2. DR. FRIEDRICH TOKISCH 3. DR. DIETER H. W. HEFSE 4. DR. BRUNO HILLINGER 5. DR. GEORG BECKMANN, 6. NORBERT HEGER.

Application No. 1402/Cal/82 filed December 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Device for dedusting a cooling gas used for the dry-cooling of coke, by circulation of the gas, comprising a cooling shaft, separator and waste-heat boiler characterised in that two outlet ducts (3,4), for the hot cooling gas are provided on the cooling shaft (1), these ducts leading to two separators (5, 6, 12, 13) which are located on each side of the waste-heat boiler (7, 14).

Compl. Specn. 7 pages. Drgs. 3 sheets.

CLASS : 155-B. 157924

Int. Cl. D 04 h 1/58.

Applicant : CHICOPEE, OF 317 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY 08903, UNITED STATES OF AMERICA.

Inventors : 1. JOHN WILSON KENNETTE, 2. CONRAD CONSTINTINE BUYOFSKY, 3. AITON HERMAN BASSETTE.

Application No. 4/Cal/83 filed January 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A nonwoven fabric comprising a substantially isotropic web of rayon staple fibers characterized by said web having regions of lightly entangled fibers and said web containing a small amount of adhesive binder substantially uniformly distributed throughout said web, the amount of binder being sufficient to resist wet collapse of said web, and said fabric having an excellent balance of wiping properties, abrasion resistance, and softness, said fabric comprising two series of fibrous bands that are substantially perpendicular to each other, wherein each band in both series contains segments in which the individual fibers are all substantially parallel to each other, which segments alternate with regions in which the fibers are randomly entangled, said regions occurring where an individual band of one series intersects an individual band of the other series, and wherein at regularly spaced intervals between the individual bands of both of said series there are openings in said fabric.

Compl. Specn. 20 pages. Drgs. 4 sheets.

CLASS : 48-C. 157925

Int. Cl. H 01 b 7/00.

HIGH VOLTAGE INSULATION FOR A WINDING OF A ROTATABLE ELECTRICAL MACHINE AND THE METHOD OF MAKING THE SAME.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. HANS-WERNER ROTTER, 2. LEOPOLD ECKBAUER.

Application No. 20/Cal/83 filed January 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

High voltage insulation for application to a winding of a rotatable electrical machine comprising a carrier layer made of heat shrinkable material; a mica sheet; and a layer of resin including a layer of hardenable resin between the carrier layer and the mica sheet, the resin being of the type that initially it softens upon the application of heat and ultimately it hardens upon heating to a higher temperature.

Compl. Specn. 13 pages. Drg. nil.

CLASS : 48-C. 157926

Int. Cl. H 01 b 3/18.

AN IMPROVED POLYOLEFIN BASED ELECTRICAL INSULATING COMPOSITION.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors 1. DR. HANS-JOACHIM HENKEL, 2. DR. NORBERT MULLER.

Application No. 91/Cal/83 filed January 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A synergistic electrical insulating composition for inhibiting the formation of "water trees" comprising known polyolefin material and 0.1 to 10% by weight of composition of additive being a phosphate derivative selected from a water soluble alkali metal or alkaline earth metal phosphate or a hydrolyzable phosphoric acid ester having the general formula $(RO)_2PO$ wherein the radicals R are hydrogen atoms or aliphatic radicals with the proviso that at least one of the radicals R is an aliphatic radical or a mixture thereof.

Compl. Specn. 10 pages. Drg. nil.

157927

CLASS : 48-C

Int. Cl. H 01 b 3/18.

AN IMPROVED POLYOLEFIN BASED ELECTRICAL INSULATING COMPOSITION.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. DR. HANS-JOACHIM HENKEL, 2. DR. NORBERT MULLER.

Application No. 92/Cal/83 filed January 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A synergistic electrical insulating composition for inhibiting the formation of "water trees" comprising known polyolefin material and 0.5 to 5% by weight of composition of an additive being a barbituric compound having the general formula shown in Figure 1 of the accompanying drawings

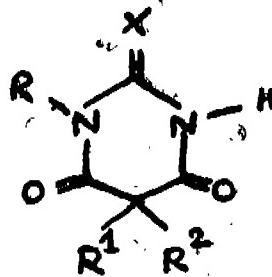


Fig-1

wherein, X is an oxygen atom or a sulphur atom, and each of R, R¹ and R², which are the same or different is a hydrogen atom or a hydrocarbyl radical.

Compl. Specn. 11 pages. Drg. 1 sheet.

157928

CLASS : 39-E.

Int. Cl. C 01 b 31/30.

A METHOD FOR RECOVERING HIGH QUALITY SILICON CARBIDE PRODUCT FROM A CRUDE SILICON CARBIDE RESISTANCE FURNACE INGOT.

Applicant : NORTON COMPANY, OF 1 NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors : 1. HARALD ERSDAL SOLKOLLEN, 2. KJELL A STOLE FIELLUEIN.

Application No. 119/Cal/83 filed February 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method for recovering high-quality silicon carbide product from a crude silicon carbide resistance furnace ingot wherein a crude silicon carbide resistance furnace ingot is broken into lumps and silicon carbide product is separated from unreacted and partially reacted material, characterized by agitating said lumps in a horizontal drum having screen openings in its cylindrical surface, collecting the material passing said screen and recirculating a portion of said material larger than a fixed minimum size back to said drum, and collecting as product material retained in said drum after a predetermined period of operation.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 47-A.

157939

Int. Cl. C 10 b 47/14.

DELAYED COKING PROCESS FOR MINIMIZING THE COKE YIELD.

Applicant : CONOCO INC., OF P.O. BOX 1267, PONCA CITY, OK 74601, U.S.A.

Inventors : 1. HARRY RICHARD JANSSEN, 2. GARY LEE FOFFENBARGER.

Application No. 224/Cal/83 filed February 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

In a delayed coking process carried out in a coker unit comprised of a coker furnace, a coke drum and a coker fractionator, wherein coker feedstock and recycle material are heated to coking temperature in said furnace and then passed to said coke drum where coke and overhead vapors are formed, wherein said overhead vapors are passed to said fractionator, wherein a portion of said overhead vapors are condensed and combined with said feedstock as heavy recycle, wherein the amount of said overhead vapors condensed is sufficient to provide good fractionator operation and sufficiency, wherein the amount of said overhead vapors condensed coke formation on the tubes of said furnace, and wherein the coke yield is higher than is desired the improvement comprising :

starting with an amount of heavy recycle such as herein described that is not sufficient to effectively prevent coke formation on the furnace tubes and adding to said feedstock as additional recycle a distillate hydrocarbon material having a boiling range which is at least in part lower than the boiling range of said heavy recycle said distillate hydrocarbon material being added in an amount such as herein described which, when combined with said heavy recycle, is effective to prevent coke formation on the tubes of said furnace, whereby coke formation on the tubes of said furnace is effectively prevented, the yield of liquid products from the process is increased and thereby the coke yield from the process is decreased.

Compl. Specn. 19 pages. Drg. 1 sheet

CLASS : 127-I.

157930

Int. Cl. F 16 b 39/28.

TRANSFER MECHANISM FOR AN ACTUATOR HAVING A ROTATING CONTROL SHAFT.

Applicant : THE BARCOCK & WILCOX COMPANY AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. KENNETH LOUIS VOUK, 2. KELLY WHITE.

Application No. 287/Cal/83 filed March 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,
2-157GT/36

6 Claims

Transfer mechanism for an actuator having a rotating control shaft comprising :

a rotatable threaded shaft affixed to said rotary actuator for manually positioning said control shaft.

a first nut half received on one side of said threaded shaft,

a second nut half received on the opposite side of said threaded shaft and aligned with said first nut half, said nut halves being movable between a first position out of engagement with said threaded shaft during automatic operation of said actuator and a second position engaged with said threaded shaft during manual operation of said actuator.

cam means operable on said nut halves to simultaneously move said nut halves selectively into and out of engagement with said threaded shaft to thereby switch the actuator operation between automatic and manual operation,

a frame,

means fixing said first nut half to said frame, said second nut half being slidable along said frame.

means for moving said control shaft during automatic operation of said actuator,

an operating yoke connected to said control shaft, and

a cross shaft received through said nut halves perpendicular to the axis thereof, said cross shaft having a bore formed therethrough receiving said threaded shaft and extending beyond said frame for engagement with said operating yoke thereby allowing said nut halves to follow the movement of said actuator without engaging said threaded shaft and permitting the engagement of said nut halves with said threaded shaft at the last automatic position of said actuator.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 32-F₂ (b) ; 60-X..

157931

Int. Cl. C 07 d 51/36.

A PROCESS FOR PREPARING 5-METHYLTHIOPYRIMIDINE DERIVATIVES.

Applicant : MITSUI TOATSU CHEMICALS INCORPORATED NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

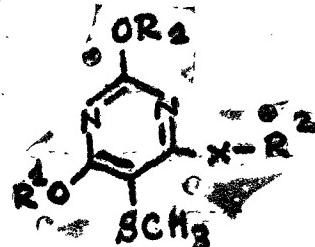
Inventors : 1. KATSUTOSHI ISHIKAWA, 2. HITOSHI SHIMOTORI, 3. NOBORU IDA, 4. KAZUO AKIHIRO, 5. SHUJI OZAWA.

Application No. 14/Cal/83 filed January 4, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

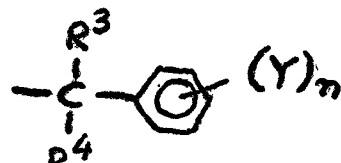
A process for preparing a 5-methylthiopyrimidine derivative represented by the general formula (I) of the accompanying drawings



2

wherein R¹ means an alkyl group having 1-6 carbon atoms or a phenyl, benzyl, alkenyl or alkoxyalkyl group, R² denotes an alkyl group having 1-6 carbon atoms, a phenyl, halogen-

substituted phenyl, alkenyl, w-phenyl-substituted alkenyl, alkynyl, alkoxyalkyl, alkoxyalkoxyalkyl, alkylthioalkyl, aminoalkyl, alcoxycarbonylalkyl, amino-carbonylalkyl, furfuryl, thiethylmethyl or tetrahydrofuryl group or a group of formula (VI) of the accompanying drawings

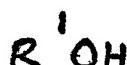


3

(VI)

in which R^3 and R^4 are individually a hydrogen atom or methyl group, Y means a hydrogen or halogen atom or a methyl or methoxy group, and n stands for an integer of 1 or 2, and X denotes an oxygen or sulfur atom, which process comprises the following consecutive steps :

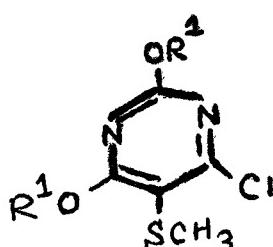
reacting, in the presence of a base, 5-methyl-thio-2,4,6-trichloropyrimidine with two equivalents of a compound represented by the general formula (IV) of the accompanying drawings



4

(IV)

wherein R^1 has the same significance as defined above in the general formula (I) so as to form a dialkoxy-pyrimidine derivative represented by the general formula (III) of the accompanying drawings



5

(III)

wherein R^1 has the same significance as defined above in the general formula (I); and

reacting, in the presence of a base, the dialkoxy-pyrimidine derivative with a compound represented by the general formula (II) of the accompanying drawings



6.

(II)

wherein R^2 has the same significance as defined above in the general formula (I)

Compl. Specn. 39 pages. Drgs. 15 sheets.

CLASS : 98-I & 206-E

157932

Int. Cl. H 01 1 15/02.

MULTIPLE CHAMBER GLOW DISCHARGE DEPOSITION APPARATUS FOR DEPOSITING ON A CONTINUOUS WEB SUBSTRATE LAYERS OF AMORPHOUS SEMICONDUCTOR MATERIAL FOR PHOTOVOLTAIC CELLS.

Applicant : ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY MI 48084, UNITED STATES OF AMERICA.

Inventors : 1. MASATSUGU IZU, 2. HERBERT CHARLES OVSHINSKY.

Application No. 301/Cal/83 filed March 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A multiple chamber glow discharge deposition apparatus for depositing on a continuous web substrate layers of amorphous semiconductor material for photovoltaic cells, said layers including a p-type layer and an n-type layer disposed on opposite sides of an intermediate intrinsic-type layer, said apparatus comprising : at least three deposition chambers arranged sequentially for deposition of the p-type, intrinsic and n-type layers on a continuous web substrate; pay-out and take-up means for respectively, supplying a continuous web substrate into said sequentially arranged chambers from a supply coil and collecting said substrate exiting from said chambers on a take-up coil; means for continuously moving the web substrate through said sequentially arranged deposition chambers, said deposition chambers being sequentially staggered in height to accommodate the natural sagging of said web substrate between said pay-out and take-up means; means disposed in each of said chambers for glow discharge depositing the successive layers; and means for substantially isolating the environment in the chamber for depositing intrinsic layer from the environments in the adjacent chambers.

Compl. Specn. 132 pages. Drgs. 6 sheets.

CLASS : 56-B; 84-A & B.

157933

Int. Cl. C 10 g 13/00.

HYDROCARBON CRACKING FOR MIDDLE DISTILLATE AND LPG.

Applicant : CHEVRON RESEARCH COMPANY OF 525 MARKET STREET, SAN FRANCISCO, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : 1. THOMAS ARTHUR RICHARD GULDMAN.

Application No. 506/Cal/83 filed April 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for hydrocracking a hydrocarbon feed-stock comprising the steps of :

- forming a first hydrocracking reaction product including a first middle distillate boiling range component, a naphtha boiling range component, a first LPG boiling range component and a residual gas oil boiling range component by hydrocracking a feedstock comprising gas oil boiling range hydrocarbons in a first hydrocracking reaction zone at gas oil hydrocracking conditions in the presence of hydrogen and a solid particulate hydrocracking catalyst;
- separating a first hydrogen-rich gas from said first hydrocracking reaction product in a first hydrogen separation zone, and recycling said first hydrogen-rich gas to said first hydrocracking reaction zone;
- forming a heavy gas oil fraction, a least one middle distillate fraction, a least one naphtha fraction and an LPG fraction by fractionating said first hydrocracking reaction product in a fractionation system;
- forming a second hydrocracking react product including hydrogen and a second middle distillate boiling range component by hydrocracking at least a portion of said gas oil fraction in a second hydrocracking reaction zone at gas oil hydrocracking conditions in the presence of hydrogen and a solid particulate hydrocracking catalyst;

- conditions in the presence of hydrogen and a solid particulate hydrocracking catalyst;
- (c) forming a third hydrocracking reaction product including hydrogen and a second LPG boiling range component by hydro-cracking at least a portion of said naphtha fraction in a third hydrocracking reaction zone at naphtha hydrocracking conditions in the presence of hydrogen and a solid particulate hydrocracking catalyst;
- (f) combining said second hydrocracking reaction product and said third hydrocracking reaction product, separating a second hydrogen-rich gas from the combined reaction products in a second hydrogen separation zone, recycling a first portion of said second hydrogen-rich gas to said second cracking reaction zone and a second portion of said second hydrogen-rich gas to said third cracking reaction zone; and
- (g) fractionating the resulting combined second and third reaction products in said fractionation system in admixture with said first reaction product.

Compl. Specn. 19 pages. Drgs. 2 sheets.

CLASS : 40-B & F. 157934

Int. Cl. B 01 i 1/00, 11/00.

A PROCESS FOR DEWAXING A HYDROCARBON FEEDSTOCK.

Applicant : MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. RENF BERNARD LAPJERRE, 2. RANDALL DAVID PARTRIDGE, 3. STEPHEN SUIFAI WONG, 4. NAI YUEN CHEN.

Application No. 618/Cal/83 filed May 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for dewaxing a hydrocarbon feedstock containing straight chain paraffins and slightly branched paraffins, which comprises contacting the feedstock with a catalyst at from 200 to 540°C, under a pressure from atmospheric to 25,000 KPa and at a LHSV of 0.1 to 20 hr⁻¹, characterized in that the catalyst comprises zeolite beta having a silica : alumina ratio of at least 30 : 1, and a hydrogenation-dehydrogenation component as herein described.

Compl. Specn. 24 pages. Drg. nil.

CLASS : 32-F₃ c 157935

Int. Cl. C 07 c 31/04.

PROCESS FOR THE PRODUCTION OF METHANOL.

Applicant : LINDE AKTIENGESELLSCHAFT, OF AB. RAHAM LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HEINZ LINK, 2. DR. ALLAN WATSON.

Application No. 791/Cal/83 filed June 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for the production of methanol comprising the stage of : (1) reacting a carbon-containing starting material feedstock to form a methanol synthesis gas consisting essentially of hydrogen and oxides of carbon; (2) reacting said synthesis gas under conditions of methanol synthesis, to form a reaction product containing crude methanol, and (3) sub-

jecting said crude methanol to multistage distillation to produce purified methanol, wherein the improvement comprises withdrawing from the multistage distillation at least one liquid stream containing a minor quantity of methanol, and at least partially recycling said liquid stream to a point in said process upstream of the methanol synthesis stage (2).

Compl. Specn. 20 pages. Drgs. 3 sheets.

CLASS : 32-F₃ (b). 157936

Int. Cl. C 07 d 35/08.

PROCESS FOR THE PRODUCTION OF (+)-4-OXO-1, 2, 3, 6, 7 11b-HEXAHYDRO-4H-PYRAZINO(2, 1-a) ISO-QUINOLINE DERIVATIVES.

Applicant : KORE ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, OF 207-43, CHEONG-RANG-RI-DONG, DONGDAIMOON-KU, SEOUL, SOUTH KOREA.

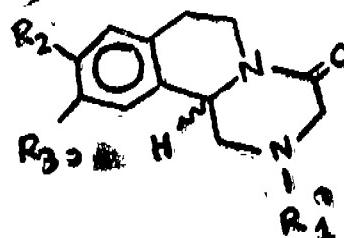
Inventors : 1. CHOONG SUP KIM, 2. NAM JIN LEE, 3. JOONG HYUP KIM.

Application No. 823/Cal/83 filed July 2, 1983.

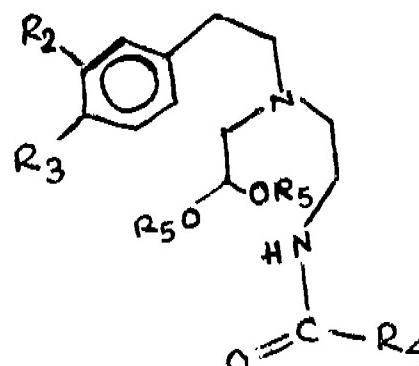
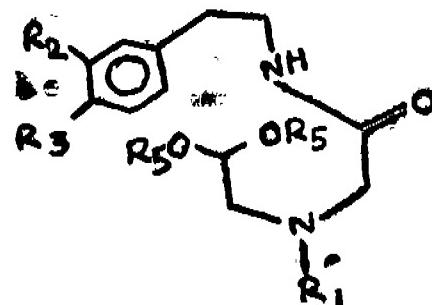
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the production of (+)-4-oxo-1, 2, 3, 6, 7, 11b-hexahydro-4H-pyrazino(2,1-a) isoquinoliness of formula I shown in the accompanying drawings,



which comprises an intramolecular cyclization reaction of a compound of formula II or III of the drawings



in an acid medium such as herein described, with or without organic solvent, such as herein described at a temperature of 0-80°C, for conversion of the compound of the said formula II or III to the compound of the said formula I directly, wherein in said formula I, II and III, R₁ represents hydrogen, a lower alkyl or R₄CO; and R₂ and R₃ each independently represent hydrogen, a lower alkyl or alkoxy; and R₄ represents hydrogen, a loweralkyl, cycloalkyl or aryl, R₅ represents methyl, ethyl or methylene.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 68-D.

157937

Int. Cl. H 02 g 13/00.

LIGHTNING ARRESTER WITH LEAKAGE CURRENT DETECTION.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF NO. 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. YUKIO FUJIWARA, 2. SEIJI SONOYAMA, 3. MITSUMASA IMATAKI.

Application No. 837/Cal/83 filed July 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A lightning arrester, comprising :

- (a) a nonlinear resistance (2) mounted within a ceramic casing (1)
- (b) a pair of generally annular metal cover rings (3) (4) having upstanding cylindrical side walls, said rings being individually fixed to opposite outer end portions of said casing,
- (c) a pair of conductive plates (5) (19) having central portions of reduced thickness adapted to rupture upon the generation of an abnormal pressure within said ceramic casing, said conductive plates being individually sealingly mounted to opposite ends of said ceramic casing within the respective cover rings,
- (d) an insulating member (20) mounted between the grounded lower cover ring (4) and the lower conductive plate (19), and
- (e) current detecting means (16) connected between said lower conductive plate and ground by conductive means insulated from and passing through said lower cover ring to detect leakage current flowing only through said nonlinear resistance.

Compl. Specn. 10 pages. Drgs. 4 sheets.

CLASS : 176-F.

157938

Int. Cl. F 22 b 9/06.

VERTICAL RADIATION TANK.

Applicant : MAATSCHAPPIJ TOT EXPLOITATIE VAN STORK KETELS B. V. OF NO. 1, INDUSTRIEPLAAT, 7553 LL HENGELO, THE NETHERLANDS.

Inventor : 1. WILLEM WIEMER.

Application No. 883/Cal/83 filed July 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A vertical radiation tank (10), more particularly for gaining heat from process gases of ash forming carbon containing fuels, comprising a vessel (11) provided inside its jacket with diaphragm pipe walls (1) traversed by a coo-gases, said space having at the top a central inlet for the process gas, on the lower side an inverting space for inverting the direction

of flow of the process gas and adjacent thereto at least one outlet for the cooled process gas, said inverting space being bounded by a water space for capturing therein locally separated ash particles characterized in that the diaphragm pipe walls comprise a cylindrical, first diaphragm pipe wall concentric with the jacket of the vessel and covering the length of the flow space and the inverting space, a plurality of second pipe walls radially arranged inside the former, a funnel-shaped, third diaphragm pipe wall (3) bounding the radial pipe walls (2) on their underside and a short, cylindrical fourth diaphragm pipe wall adjoining the funnel-shaped diaphragm pipe wall, the third and fourth diaphragm pipe walls being formed by pipes branched from the first diaphragm pipe wall.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 85-J.

157939

Int. Cl. F 23 c 7/00.

APPARATUS FOR CONTROLLING SECONDARY AIR DISTRIBUTION TO A MULTIPLE FUEL COMBUSTOR.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : 1. DAVID GORDON TUREK, 2. STANLEY RONALD WYSK.

Application No. 888/Cal/83 filed July 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An apparatus for controlling the distribution of secondary air between at least two fuel streams entering a combustor, comprising :

means for determining the total chemical energy content of the first fuel stream;

means for determining the total chemical energy content of the second fuel stream;

means, responsive to the total chemical energy contents of the fuel streams, for generating at least one secondary air control signal, said control signal being substantially proportional to the ratio of the total chemical energy contents; and

means, responsive to said secondary air control signal for biasing the distribution of secondary air between the fuel streams, the ratio of the first fuel secondary air flow rate to the second fuel secondary air flow rate being substantially proportional to the ratio of the first fuel total chemical energy content to the second fuel total chemical energy content.

Compl. Specn. 8 pages. Drgs. 2 sheets

CLASS : 105-C.

157940

Int. Cl. G 11 c 11/02.

AN INFORMATION DISK STORE MORE ESPECIALLY A MAGNETIC DISK MEMORY.

Applicant : BASF AKTIENGESELLSCHAFT, AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KLAUS MANZKE 2. RICHARD SCHNEIDER, 3. LAMBERT KOHL.

Application No. 897/Cal/83 filed July 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

An information disk store, more especially a magnetic disk memory, having a substantially sealed housing which contains a plurality of disks arranged at a distance from one another on a rotatably mounted hub, and an air circulation system by means of which the air centrifugally driven outwards during rotation of the disks is passed through a main filter and cleaned and the cleaned air is recirculated to point which is at least in the vicinity of the centre of rotation of the disks, wherein the air circulation system sets up, in the peripheral space adjacent to the disks, a positive pressure gradient from the bottom to the top of the housing.

Compl. Specn. 16 pages. Drgs. 3 sheets.

CLASS : 105 B & D, 146 C, 85 J & 67 C. 157941

Int. Class : F27d 21/00 & G08c 19/00, 21/00.

"APPARATUS FOR CORRELATING THE READOUT ON A STATIONARY RECORDER OF A SERIES OF SIGNALS".

Applicant : DAVY McKEE (STOCKTON) LIMITED, STOCKTON-ON-TEES, ENGLAND TS18 3RE, A UNITED KINGDOM INCORPORATED COMPANY.

Inventor : RICHARD HAMILTON DAVIS.

Application for Patent No. 109/Del/1982 filed on 10th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Apparatus for correlating the readout on a stationary recorder of a series of parameter-representing signals originating on a rotating cylindrical body and communicated in sequence to the recorder, with the relative locations of origin of each said signals on the rotating body, the apparatus comprising : a plurality of means spaced from each other on the body for respectively producing said signals; continuous conductor means surroundingly mounted at a selected axial location on the body for receiving in sequence all of the signals in the series ; pick-off means away from the body for conducting signals from the conductor means off the body and to the recorder ; switching means disposed on, and rotating with, the body for controlling the sequential communication of the signals between their locations of origin and the conductor means in accordance with the rotational position of the body ; indicating means, disposed on and rotating with the body, for indicating the relative locations of origin of each of said signals ; photoelectric means, disposed adjacent the rotating body and responsive to the passing thereby of the indicating means rotating with the body, for producing keying signals indicative of each passage of the indicating means thereby ; means operatively connected between the photoelectric means and the recorder for communicating the keying signals to the recorder ; the indicating means comprising a series of indicators spaced circumferentially from each other on the body in accordance with the sequence spacing of the signals by the switching means and being so disposed with respect to the photoelectric means that the keying signals are communicated to the recorder in sequence to actuate the recorder just prior to the receipt and readout of each of the signals in the series on the recorder so that the readout of each signal is correlated with the relative location of origin of that signal ; and means for resetting the recorder after the readout of each series of signals is completed.

Compl. Specn. 19 pages. Drg. 1 sheet.

CLASS : 40 A. 157942

Int. Class : B01j 1/00 & C08f 1/00.

"AN IMPROVED REACTOR FOR PRODUCING HIGH VISCOSUS POLYMERS".

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007 INDIA, AN INDIAN INSTITUTE.

Inventor : JAI KRISHNA NIGAM, DATTA PRASAD ACHYOT DABHOLKAR, GEEIA UNNIKRISHNAN & PREM KUMAR MAIR.

Application for Patent No. 185/Del/1982 filed on 8th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved reactor for producing impact resistant polymers of vinyl aromatic compounds comprising a jacketed vessel having an inlet for introduction of a charge, an outlet for discharge of the polymer, a rotatable shaft disposed within said vessel, a screw held to said shaft and such that the outermost edge is disposed in the proximity of the inner wall surface of said vessel characterized in that said shaft comprises a hollow shaft having an inlet disposed at or in the proximity of one end of said shaft and such that the charge from the space defined between said inner wall surface of the reactor and the outer surface of the shaft is introduced into said shaft, an outlet provided at or in the proximity of the opposite end of said shaft, said inlet an outlet disposed within said reactor.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 188 & 144 B. 157943

Int. Class : C23c 1/00.

"A PROCESS OF PRODUCING AN ANTI-STICK COATING ON NON-ORIENTED, SEMI PROCESSED ELECTRICAL STEELS".

Applicant : ARCO INC., A CORPORATION OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 703 CURTIS STREET, MIDDLETON, OHIO, UNITED STATES OF AMERICA.

INVENTOR

Inventor : MICHAEL HARRIS HASELKORN & JAMES DAVID EVANS.

Application for Patent No. 215/Del/1982 filed on 16th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process of producing an anti-stick coating directly on non-oriented, semi-processed electrical steels, comprising the steps of applying to said steel a coating solution containing an Al^{++} , Mg^{++} and H_2PO_4 concentration in the following relative relationship on a water free basis : from 3 to 11% by weight Al^{++} calculated as Al_2O_3 , from 3 to 15% by weight Mg^{++} calculated as MgO and from 78 to 87% by weight H_2PO_4 calculated as H_3PO_4 , the total weight percentage of Al^{++} (as Al_2O_3), Mg^{++} (as MgO) and H_2PO_4 (as H_3PO_4) being 100% on a water-free basis, said concentration of Al^{++} , Mg^{++} and H_2PO_4 comprising 100 parts by weight calculated as Al_2O_3 , MgO and H_3PO_4 respectively on a water-free basis, and from 0 to 150 parts by weight of colloidal silica on a water-free basis, and subjecting said coated steel to a heat treatment at a temperature of from 370°C to 870°C, characterized in that said solution is diluted with water so as to form a uniform coating having a coating weight of less than 2 grams per square meter on each side of said steel.

Compl. Specn. 16 pages.

CLASS : 81.

157944

Convention date 22nd May, 1981/8115823/(U.K.).

Int. Class : H011 15/00 & G08b 17/12.

"A SENSOR SYSTEM RESPONSIVE TO A FIRE OR EXPLOSION".

Applicant : SANTA BARBARA RESEARCH CENTER, COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, UNITED STATES OF AMERICA, HAVING A PRINCIPAL PLACE OF BUSINESS AT 75 COROMAR DRIVE GOLETA, STATE OF CALIFORNIA, UNITED STATES OF AMERICA,

Inventors : MARK THOMAS KERN & ROBERT JOSEPH CINZORI.

Application for Patent No. 319/Del, 82 filed on 21st April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

4 Claims

A sensor system responsive to a fire or explosion comprising :

- (a) a first control signal means, connected and responsive to a first radiant energy detector, for generating a first control signal when the first detector detects electromagnetic energy within a first spectral band having an amplitude greater than a first predetermined level;
- (b) a second control signal means, connected and responsive to a second radiant energy detector, for generating a second control signal when the second detector detects electromagnetic energy within a second spectral band having an amplitude greater than a second predetermined level;
- (c) a third control signal means, connected between and responsive to the first and second radiant energy detector for generating a third control signal whenever the ratio of the energy detected by the first detector to the amplitude of the energy detected by the second detector exceeds a third predetermined level;
- (d) a fourth control signal means, connected between said first and second radiant energy detectors and responsive to the third control signal, for
 - (i) generating a fourth control signal whenever the third control signal is not generated, and
 - (ii) not generating the fourth control signal whenever the third control signal is generated and for an additional predetermined amount of time after the third control signal is no longer generated; and
- (e) output gate means connected between said first and second control signal means and responsive to the first, second and fourth control signals, for generating an output signal only when the first, second and fourth control signals are all simultaneously generated.

Compl. Specn. 18 pages. Drgs. 4 sheets.

CLASS : 154 G.

157945

Int. Class : B411 7/00.

"MULTI CYLINDER STENCIL DUPLICATOR".

Applicant : GESTETNER MANUFACTURING LIMITED-A BRITISH COMPANY OF FAWLEY ROAD, TOTTENHAM, LONDON N17 9LT, ENGLAND.

Inventors : COLIN ROY STEVENS & VICTOR ABA-BURKO.

Application for Patent No. 339/Del/82 filed on 29th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

16 Claims

A multi cylinder stencil duplicator including first and second duplicator cylinders; a support for a stencil circulating around said first and second cylinders; a coating member positioned closely adjacent one of said first and second cylinders and defining therewith a nip for allowing an ink coating of predetermined thickness to pass through said nip on the surface of the said one cylinder means for dispensing ink to one side of said nip such that during rotation of said one cylinder the ink is then passed directly through the nip for application as a uniform coating to the said one cylinder; and an ink detector which comprises two sensing electrodes between which ink builds up in use of the duplicator and which is responsive to changes in the capacitance between the two sensing electrodes at said one side of the nip as the ink build up between the detector electrodes varies, for controlling the operation of said ink dispensing means to maintain a given build up of ink on the said one side of the nip.

Compl. Specn. 26 pages. Drgs. 6 sheets.

CLASS : 47 C.

157946

Int. Class : C10b 49/02 & 49/00.

"A DRY PROCESS FOR CONTINUOUSLY GASIFYING UNSIZED PARTICLES OF COAL".

Applicant : ALLIS CHALMERS CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1126 SOUTH STREET, WEST ALLIS 14, WISCONSIN, UNITED STATES OF AMERICA.

Inventor : PETER GEORGE GARSIDE.

Application for Patent No. 344/Del/82 filed on 30th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A dry process for continuously gasifying unsized particles of coal which upon being progressively heated to a final temperature of approximately 2,000°F through heat temperature stages in which the coal gives off a combustible mixture of gases containing water vapor, hydrogen, carbon monoxide, carbon dioxide, hydrocarbon vapors (tar-laden) and smoke (aerosols) and hydrocarbon free gases (tar-free) at 1,600°-2,000°F in a final and highest temperature stage of said series of stage, with said treatment stages each being achieved in zone within a rotary kiln inclined downwardly from a material inlet toward a material outlet, the process comprising the steps of :

- (a) feeding a continuous supply of said coal to the inlet to form a bed of the coal in the kiln and rotating the kiln to advance the bed from the inlet to the outlet of the kiln;
- (b) increasing the temperature of the bed progressively as the coal is advanced through said heat treatment stages to increase the temperature of the coal in the final to approximately 2,000°F and the temperature of the hydrocarbon-free gases liberated in the final stage to approximately 1,900°F;
- (c) admitting air and steam through the kiln shell and bed of coal where the coal is heated to at least a tar free gasification temperature and at locations in a plurality of radial planes spaced apart along the central axis of the kiln;
- (d) selectively controlling the discharge of a proportion of the process gas from each end of the kiln to split into two streams the tar free gas produced by air and steam passing through the coal and draw the split tar free gas streams apart to flow in axially opposite directions within the kiln with one of the tar free gas streams flowing axially away from the

n which tar-laden gases emerge from coal heated to devolatilization temperature and toward the material outlet of the kiln for discharge from the kiln as tar-free gas, and with the tar-free gas stream flowing toward the material inlet of the kiln mixing with said emerging tar-laden gases to flush tar-laden gases out the material inlet end of the kiln and away from the stream of tar-free gases flowing toward and out the material outlet end of the kiln; and

- (c) adjusting the proportion of process gasses discharged out each end of the kiln to move the location of the tar free gas flow split along the central axis of the kiln to a position between the beginning of said tar free gasification stage and the material outlet end of the kiln with said position of the split selected to maintain a maximum attainable flow of tar-free gas out the material discharge end of the kiln while maintaining the temperature of the mixed gases flowing out the material feed end of the kiln at above tar condensing temperature.

Compl. Specn. 25 pages. Drgs. 2 sheets.

CLASS : 155 E. 157947

Int. B05 1/00, B29h 17/28 & D07b 7/14.

"APPARATUS FOR TREATING TEXTILE CORD".

Applicant : THE COODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO UNITED STATES OF AMERICA, HAVING OUR PRINCIPAL PLACE OF BUSINESS AND A POST OFFICE ADDRESS AT 1144 EAST MARKET STREET, AKRON, OHIO, 44316, UNITED STATES OF AMERICA.

Inventor : WILLIE MILES STAFFORD.

Application for Patent No. 386/Del/82 filed on 21st May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An apparatus for treating a plurality of individual cords of textile material as they move, under tension in spaced apart relationship along a predetermined path which comprises sequentially along, said path, (A) a means for applying an aqueous solution, or mixture, of adhesive to said cords, (B) a squeeze roll station composed of at least two rotating cylindrical rolls positioned in a substantially vertical plane around which said cords pass in a substantially serpentine path on a single pass basis and in the same direction as the rotation of the roll around which they are passing, where at least two adjacent rolls rotate in opposite directions and are positioned so that they press cords between them to remove a substantial amount of said aqueous solution or mixture from the cords, (C) a pull roll station composed of at least two spaced apart rotating cylindrical pull rolls, where at least two adjacent pull rolls rotate in opposite directions, around which said cords pass in a substantially serpentine path on a single pass basis in the same direction as the rotation of the roll about which they are passing and (D) a dewebbing station for heating and drying said cord; characterized by an improvement in which a first rigidly contained elastomeric rubber squeeze bar is loosely positioned to lightly contact the breadth of the cords on the ascending surface of at least one of said squeeze rolls to affect a degree of liquid removal from the cords and a second rigidly contained elastomeric rubber squeeze bar loosely positioned to lightly contact the breadth of the cords on the ascending surface of at least one of said pull rolls to affect a degree of removal of formed liquid or material which may have formed on the cord in the pull roll station.

Compl. specn. 9 pages. Drg. 1 sheet.

CLASS : 205H.

157948

Int. Class : B60c 3/00, 9/00 & 19/12.

"A PUNCTURE-FREE RUBBER TYRE FOR SLOW VEHICLES".

Applicant : BAYER AKTIENGESELLSCHAFT, A GERMAN COMPANY OF 5090, LEVERKUSEN, BAYERWERK, WEST GERMANY.

Inventor : JAKOB JPPEN FRIEDEL STUTTGREN.

Application for Patent No. 395/Del/1982 filed on 25th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A puncture-free rubber tyre for slow vehicles comprising a base, a crown and side walls and having located centrally therein a continuous hollow space along the centre line of the tyre characterised in that the crown is formed with a radially outward convex curvature increasing in thickness towards its zenith whereby the moment of inertia of the crown is at least six times greater than that of the side walls; and the base of the tyre contains an encircling reinforcement of plastics material.

Compl. Specn. 12 pages. Drgs. 3 sheets

CLASS : 119F.

157949

Int. Cl. : D 03 d 45/00.

"WEFT THREAD SELECTION APPARATUS FOR A WEAVING MACHINE".

Applicant : AKTIENGESELLSCHAFT ADOLPH SAUER, OF CH-9320, ARBON, SWITZERLAND, A SWISS COMPANY.

Inventors : GERHARD OFSTFELLE, RUDOLF JAEGER, TIMAR ZANOL & WILHELM HUTTER.

Application for Patent No. 396/Del/82 filed on 25th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A weft thread selection apparatus for a weaving machine comprising :

(a) a weft thread device operatively related to each weft thread to be inserted for bringing each such weft thread, prior to its insertion into a shed of the weaving machine, out of a preparatory position into a thread transfer position serving for the thread transfer to a weft thread-insertion device and which comprises weft thread-infeed rods;

(b) a to-and-fro driven entrainment device electro-magnetically connected to the weft thread infeed rods and which comprises a support element and means for imparting to said support element an oscillating movement in cycle with a predetermined weft thread insertion frequency of the weaving machine, said support element having a free end which carries one of the two parts of electro-magnetic devices corresponding in number to the number of weft thread infeed rods, the other end of said support element being rotably mounted on a shaft;

(c) oscillatable arm members for which the shaft simultaneously forms a pivot point and of which each is hingedly connected at its free end with a related one of the few thread infeed rod; and

(d) spring means for retaining each of the oscillatable arm members in a preparatory position, and each of the oscillatable arm members carrying the other part of the electromagnetic devices intended to be cooperatively coupled with a predetermined one of the said one part of the electromagnetic devices.

Compl. specn. 19 pages.

Drg. 2 sheets.

CLASS : 130 G 157950

Int. Cl. : C 22 b 9'02.

APPARATUS FOR THE CONTROLLED INTRODUCTION INTO A FUSION BATH OF TREATMENT MATERIAL THEREFOR IN THE FORM OF A CONTINUOUS WIRE.

Applicant : VALLOUREC, A FRENCH BODY CORPORATE, OF 7, PLACE DU CHANCELIER ADENAUER, 75077 PARIS, FRANCE.

Inventors : BENOIT GUY AND LEFEBVRE JULES.

Application for Patent No. 420/Del/82 filed on 2nd June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

15 Claims

Apparatus for the controlled introduction into a fusion bath as a metallurgical bath of treatment material for said bath in the form of a continuous wire consisting of a longitudinal sheath enclosing therein the necessary treatment material, said wire possessing in cross-section substantially parallel surface planes, said apparatus comprising a guide device in the form of an elongate channel adapted at one end thereof to receive and engage said wire issuing from a bobbin on which it is wound, feed means being provided at the other end of said guide device said feed means comprising a motor for driving a combination of rollers adapted to receive said wire issuing from said other end of said guide device and to engage said wire by its substantially parallel surface planes whereby said wire is at least partially straightened after its storage in wound condition and fed into said bath in controlled manner.

Compl. specn. 23 pages. Drg. 4 sheets.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by SUN REFINING AND MARKETING COMPANY under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 154592 in their name has been allowed.

PATENTS SEALED

145387 147740 149943 153129 154766 154770 154789 154910
 154940 155055 155257 155267 155293 155324 155473 155491
 155553 155554 155595 155597 155598 155599 155604 155619
 155620 155629 155635 155636 155638 155659 155666 155667
 155671 155682 155705 155746.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCE OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licence of right" under Section 87 of the Patents Act, 1970. The dates shown in crescent brackets are the date of the patents.

No. Title of Invention

- 146614 (23-12-1977) Recovery of caprolactam from wash water residue (oligomers).
 146624 (24-12-1977) Improvements in and modification of crease recovery process.

147048 (03-12-1977) Process for n phosphorus.

147049 (21-11-1977) A process for the preparation of crystalline silicates.

147225 (22-09-1977) Preparation of modified and activated chromocene catalysts for ethylene polymerisation.

147227 (05-06-1975) A process and reactor for the preparation of copper phthalocyanine.

147264 (09-03-1978) Process for the preparation of co-derivatives.

147271 (06-08-1977) A process for the preparation of solid catalytic components for polymerisation of α -olefins.

147281 (03-11-1977) Process for the preparation of novel organometallic halides.

147296 (27-06-197) Process for lowering the sulfur content of vanadium-carbon materials used as additives to steel.

147307 (08-01-1979) Process for preparing derivatives from coffee husks.

147316 (24-11-1977) Improvements in or relating to a method of and apparatus for producing ingots of unallowed and alloyed steels.

147318 (17-03-1978) A process for making polymerisation reaction vessel for eliminating the build up of polymers on the internal surfaces.

147336 (11-01-1978) Method and apparatus for reducing particulate iron oxide to metallic iron with solid reductant.

147374 (30-08-1978) A process for the preparation of 8-oxo-neoisolongifolene.

147475 (12-06-1978) A method of preparation of a fertilizer.

No.

Title of Invention

147427 (21-01-1978) Improved method for the polymerisation of vinyl monomers.

147448 (04-08-1978) Process for improving the colour and removing the undesirable colour of soap.

147449 (04-01-1978) Process for making a new ceramic material for use mainly as electrode in magnetohydrodynamic power generators and resistive heating elements for electrical heating.

RFNEWAL FEES PAID

136041 137602 139884 140404 140663 140915 141125 141203
 141233 141881 142062 142172 142482 142590 142940 143405
 143979 144100 144367 144466 144536 144893 145147 145347
 145440 145468 145482 145523 145594 145703 145897 145947
 145997 146140 146307 146315 146642 146666 146978 147004
 147023 147089 147098 147556 147648 147665 147696 147766
 147835 147905 147989 148030 148031 148144 148272 148359
 148490 148508 148509 148594 148725 149157 149349 149386
 149452 149583 149693 149818 149944 150015 150020 150082
 150149 150161 150209 150250 150502 150601 150604 150885
 151013 151014 151107 151125 151158 151374 151402 151504
 151505 151515 151587 151639 151674 151734 151799 151820
 152116 152130 152131 152137 152166 152171 152219 152235
 152304 152312 152316 152331 152372 152384 152385 152388
 152414 152419 152420 152425 152444 152477 152526 152714
 152723 152819 152832 152944 153321 153531 153757 153758
 153759 153767 153862 154117 154216 154240 154247 154296

154309 154310 154011 154316 154317 154337 154338 154340
 154343 154381 154385 154388 154389 154390 154399 154400
 154449 154511 154518 154559 154603 154619 154697 154705
 154746 154769 154780 154860 154861 154862 154918 154919
 154920 154925 154926 154932 154933 154959 155004 155095
 155097 155098 155099 155103 155133 155135 155136 155137
 155143 155146 155147 155151 155158 155161 155173 155175
 155216 155250 155392 155404 155463 155486 155560 155765

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 156366. Ranjit Surrendra Deshmukh, an Indian Citizen, Plot No. 39, Suyojana Co-op. Hsg. Society Koregaon Park, Pune-411 028, Maharashtra, India. "Speed Variation Drive", 2nd December, 1985.

Class 1. No. 157092. Nelso Type Foundry Private Limited, 34, Pillai Street, Choolai, Madras-600 112, Tamilnadu, Indian Private Limited Company. "Tamil Type Font". 27th May, 1986.

Class 1. No. 157103. M/s. Bombay Kitchaids (P) Ltd., 24, Sri Ram Road, Civil Lines, Delhi-110054, India, an Indian Company. "Mixer". 29th May, 1986.

Class 1. No. 156436. Hindustan Everest Tools Limited Dohil Chambers 46, Nehru Place, New Delhi-110019. A Company incorporated under the Companies Act, 1956. "Heavy Duty Pipe Wrench". 11th December, 1985.

Class 1. No. 156590. Phenoweld Polymer Pvt. Ltd., Saki Vihar Lake Road, Bombay-400 072, Maharashtra, India, an Indian Company. "Cistern Handle". 3rd February, 1986.

Class 1. No. 156212. Barsat Industries, 3816, Charkhewalan, Chawri Bazar, Delhi-110006, India, an Indian Partnership Firm. "Ladder Step". 6th November, 1985.

Class 1. No. 156866. United States Surgical Corporation, a corporation of the State of New York having offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Stapler". 24th March, 1986.

Class 3. Nos. 156469, 156460. Caprihans India Limited, an Indian Company, being an existing company within the meaning of that expression in the Companies Act, 1956, of India, having its registered office at Block D, Shivasagar Estate, Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "Sheets made of Polyvinyl chloride or in which Polyvinyl chloride predominate". 24th December, 1985.

Class 3. No. 156728. Sanjivika Chemicals and Trading Private Limited, an Indian Company, whose address is 34, Ajay Deep, 3rd Floor, 240, Perin Nariman Street, Fort, Bombay-400 001, Maharashtra State, India. "a Cap for a Container". 26th February, 1986.

Class 3. No. 156439. Dynavision Limited, Near Dr. Vikram Sarabhai Instronics Estate, Kottivakkam, Madras-600 041, Tamil Nadu, India, a company duly organised and existing under the laws of the Union of India. "Stereo Radio Cassette recorders." 13th December, 1985.

Class 3. No. 156410. Shree Krishna Keshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380 008, Gujarat State, India, a Public limited company incorporated under the Indian Companies Act. "Flash Plug". 6th December, 1985.

Class 3. No. 156083. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., an Indian Company having its address, Kalol (N.G.), Pin : 382 721, Gujarat State, India. "Container". 25th September, 1985.

Class 3. Nos. 156325, 156326. Krone GmbH, of Beeskow-damm 3-11, D-1000 Berlin 37, West Germany, a West German Company. "Telephone Apparatus". 21st November, 1985.

Class 3. No. 156401. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy Propeller". 4th December, 1985.

Class 3. No. 156867. United States Surgical Corporation, a corporation of the State of New York having offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Surgical Stapler". 24th March, 1986.

Class 4. No. 156457. Simplex Consultants, 1113, Bharat Housing Society, Jabalpur-482001, Madhya Pradesh, India, an Indian Partnership Firm. "Bottle". 23rd December, 1985.

Class 5. No. 157085. Greater Bombay Retalling Services Private Limited, (a company incorporated under Indian Companies Act) at 9-B, Cowasji Patel Street, Bombay-400 001, State of Maharashtra, India. "Carton". 22nd May, 1986.

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Controller General of Patents,
Designs & Trade Marks